

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (Optional) VI/99-024 . D		Application Number To be assigned		
				Applicant(s) FRAZIER, et al.				
				Filing Date 7/18/2003		Group Art Unit To be assigned		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	3,523,523	8/11/1970	Reich, et al.				
	AB	3,812,843	5/28/1974	Wootten, et al.				
	AC	3,880,138	4/29/1975	Wootten, et al.				
	AD	3,888,239	6/10/1975	Rubinstein				
	AE	4,006,736	2/8/1977	Kranys, et al.				
	AF	4,044,757	8/30/1977	McWhorter, et al.				
	AG	4,502,488	3/5/1985	Degironimo, et al.				
	AH	4,585,009	4/29/1986	Barker, et al.				
	AI	4,613,328	9/23/1986	Boyd				
	AJ	4,619,653	10/28/1986	Fischell				
	AK	4,677,980	7/7/1987	Reilly, et al.				
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL	DE 44 40 619	8/31/1995	Germany				<input checked="" type="checkbox"/>
	AM	DE 196 21 393	12/4/1997	Germany			<input checked="" type="checkbox"/>	
	AN	EP 0 105 550	4/18/1984	Europe				
	AO	EP 0 495 287	7/22/1992	Europe				
	AP	EP 0 518 100	12/16/1992	Europe			<input checked="" type="checkbox"/>	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Nishiura, N., et al., "An Optical and RF Telemetry Drug Injection Control and ECG System For Awake Small Animal Studies," Proceedings of the Annual International Conference of the Engineering in Medicine and Biology Society, Orlando, FL, IEEE, Vol. 13, Conf. 5, pages 2162-2163 (1991).						
	AR	"Market Scan," Diagnostic Imaging, page 61 (September 1988).						
EXAMINER				DATE CONSIDERED 6/8/06				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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FRAZIER, et al.

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July 18, 2003

GROUP
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OK	AS	4,695,271	9/22/1987	Goethel			
	AT	4,737,712	4/12/1988	Stormont, et al.			
	AU	4,840,620	6/20/1989	Kobayashi, et al.			
	AV	4,854,324	8/8/1989	Hirschman, et al.			
	AW	4,885,538	12/5/1989	Hoenniger III, et al.			
	AX	4,981,137	1/1/1991	Kondo, et al.			
	AY	5,027,824	7/2/1991	Dougherty, et al.			
	AZ	5,030,201	7/9/1991	Palestrant			
	BA	5,134,373	7/28/1992	Tsuruno, et al.			
	BB	5,236,417	8/17/1993	Wallis			
	BC	5,244,461	9/14/1993	Derlien			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OK	BD	EP 0 655 220	5/31/1995	Europe				
	BE	1-165010	11/17/1989	Japan			✓	
	BF	1-223943	9/7/1989	Japan			✓	
	BG	1-303139	12/7/1989	Japan			✓	
	BH	5-84296	4/6/1993	Japan			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OK	BI	Injectron MRT Brochure, Medtron MR-Injector, Technical Data (date unknown).
OK	BJ	CT/MR Injector Brochure, Ulrich GmbH & Co. KG, (November 1999).

EXAMINER









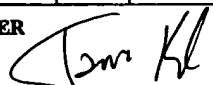
James H.

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6/8/06

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JK	BK	5,269,762	12/14/1993	Armbruster, et al.				
	BL	5,274,330	12/28/1993	Rindlisbacher, et al.				
	BM	5,300,031	4/5/1994	Neer, et al.				
	BN	5,342,298	8/30/1994	Michaels, et al.				
	BO	5,352,979	10/4/1994	Conturo				
	BP	5,354,273	10/11/1994	Hagen				
	BQ	5,357,959	10/25/1994	Fishman				
	BR	5,411,485	5/2/1995	Tennican, et al.				
	BS	5,417,213	5/23/1995	Prince				
	BT	5,458,122	10/17/1995	Hethuin				
	BU	5,464,014	11/7/1995	Sugahara				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JK	BV	7-178169	7/18/1995	Japan			✓	
	BW	2752909	2/27/1998	Japan			✓	
	BX	61-155846	7/15/1986	Japan			✓	
	BY	WO 99/27847	6/10/1999	WIPO				
	BZ	WO 01/92907	12/6/2001	WIPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
JK	CA	Mildenberger, A., "MR Jet Basic Configuration DM 29000," Automation GmbH (February 11, 1998).						
JK	CB	Saini, S., et al., "In Vitro Evaluation of a Mechanical Injector for Infusion of Magnetic Resonance Contrast Media," Technical Report, Investigative Radiology, Vol. 26, No. 8, pp. 748-751 (August 1991).						
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JK				6/8/06				
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	CJ	International Search Report for Counterpart PCT Application PCT/US01/40826.			
	CK	"Medrad Targets Market for MRI," Allison Hargraves, Pittsburgh Business Times, Vol. 7, No. 18, p1(2) (December 21, 1987).			
	CL	"Detection of Acute Avascular Necrosis of the Femoral Head in Dogs: Dynamic Contrast-Enhanced MR Imaging vs. Spin-Echo and STIR Sequences," AJR: 159, pgs. 1255-1261, December 1992.			
	CM	"An Infusion Pump That Works in MRI," Anesth. Analg. 1993: 77, pg. 645, Letters to the Editor.			
	CN	Mallinckrodt Optistar MR Digital Injection System, Operator's Manual, 801900-A (November 1999).			
	CO	Mallinckrodt Optistar MR Digital Injection System, Service and Parts Manual, 801902-A (April 2000).			
	CP	Medrad Spectris MR Injection System Service Manual, Catalog Number: SSM200 1, 92901-T-129, Rev. A (1996).			
	CQ	Medrad Spectris MR Injector Operation Manual, SOM 200E, 92901-T-107, Rev. E (1996).			
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JK	AA	5,994,984	11/30/1999	Stancil, et al.			5/29/1998

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

JK	AB	Invivo Research Inc., Millennia 3155 MVS Monitor Operations Manual, IRI PN #9545, Release 3, (March 1998).
JK	AC	Invivo Research Inc., Omni-Trak 3150 MRI Patient Monitor Operations Manual, (January 1998).

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Jan H

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
IK	AA	DE 44 40 619	8/31/1995	Germany			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Sam RL

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INITIAL

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AD

AD

Injektron 82 MRT User Instructions, Version MR2, pgs. 5, 30 and 31, (March 10, 1999).

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Sam KH

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